

Claims

[c1] 1. A method of dynamically correcting, on a line by line basis, rotational distortion of a raster scan in a cathode ray tube, comprising:

- generating a first correction magnetic flux component;
- adding the first correction magnetic flux to a first vertical deflection magnetic flux component in real time;
- generating a second correction magnetic flux component; and
- generating a resultant vertical deflection magnetic flux by adding the second correction magnetic flux to a second vertical deflection magnetic flux component in real time wherein the resultant magnetic flux is a substantially free of rotational distortions.

[c2] 2. A method as recited in claim 1, wherein the first correction magnetic flux and the second correction magnetic flux each has, respectively, a first correction magnetic magnitude and a second correction magnetic flux magnitude that are approximately equal to each other.

[c3] 3. A method as recited in claim 1, wherein the first cor-

rection magnetic flux is added during a first scan and wherein the second correction magnetic flux is added during a second scan wherein the first polarity is approximately 180 degrees out of phase from the second polarity.

- [c4] 4. A method as recited in claim 1, wherein the resultant magnetic flux is adjusted during a line time to uniformly separate the lines.
- [c5] 5. A twister coil arranged to correct, on a line by line basis, rotational distortion of a raster scan in a cathode ray tube having a deflection yoke, a vertical deflection coil, and a horizontal deflection coil, comprising:
 - a first correction magnetic flux component generator unit for generating a first correction magnetic flux component that is added to a first vertical deflection magnetic flux component in real time; and
 - a second correction magnetic flux component generator unit for generating a second correction magnetic flux component that is added to a second vertical deflection magnetic flux component in real time thereby generating a resultant vertical deflection magnetic flux that is a substantially free of rotational distortions.
- [c6] 6. A twister coil as recited in claim 5, wherein the first

correction magnetic flux and the second correction magnetic flux each has, respectively, a first correction magnetic magnitude and a second correction magnetic flux magnitude that are approximately equal to each other.

- [c7] 7. A twister coil as recited in claim 5, wherein the first correction magnetic flux is added during a first scan and wherein the second correction magnetic flux is added during a second scan wherein the first polarity is approximately 180 degrees out of phase from the second polarity.
- [c8] 8. twister coil as recited in claim 5, wherein the resultant magnetic flux is adjusted during a line time to uniformly separate the lines.
- [c9] 9. Computer program product for dynamically correcting, on a line by line basis, rotational distortion of a raster scan in a cathode ray tube, comprising:
 - computer code for generating a first correction magnetic flux component;
 - computer code for adding the first correction magnetic flux to a first vertical deflection magnetic flux component in real time;
 - computer code for generating a second correction magnetic flux component;
 - computer code for generating a resultant vertical de-

flection magnetic flux by adding the second correction magnetic flux to a second vertical deflection magnetic flux component in real time wherein the resultant magnetic flux is a substantially free of rotational distortions; and
computer readable medium for storing the computer code.

- [c10] 10. Computer program product as recited in claim 8, wherein the first correction magnetic flux and the second correction magnetic flux each has, respectively, a first correction magnetic magnitude and a second correction magnetic flux magnitude that are approximately equal to each other.
- [c11] 11. Computer program product as recited in claim 9, wherein the first correction magnetic flux is added during a first scan and wherein the second correction magnetic flux is added during a second scan wherein the first polarity is approximately 180 degrees out of phase from the second polarity.
- [c12] 12. Computer program product as recited in claim 10, wherein the resultant magnetic flux is adjusted during a line time to uniformly separate the lines.